PATENT
10/728,165

AMENDMENT

In response to the Official Action mailed November 30, 2005, amend the Application as follows.

In the Specification:

Amend the Title as follows:

~~COMPUTER DISPLAY~~ SYSTEM FOR DYNAMICALLY MODIFYING STACKED AREA LINE GRAPHS ~~TO CHANGE THE ORDER OR PRESENCE OF A SET OF STACKED AREAS IN THE GRAPH RESPECTIVELY REPRESENTATIVE OF THE PROPORTIONS CONTRIBUTED TO A TOTAL BY EACH OF A SET OF TIME DEPENDENT VARIABLES~~

Please amend the claims to read as follows:

1. (currently amended) A computer implemented user interactive method for graphically displaying the proportion of a total value of a time dependent variable contributed by each of a set of elements comprising the steps of:

displaying the proportion contributed by each element of the same time dependent variable as an area within an ordered set of areas under a line representative of the total value of said time dependent variable;

enabling the user to interactively select one of said set of areas; and

performing a selected operation selected from the group consisting of hiding the selected area, displaying the selected area and reordering the position of the selected area within said ordered set responsive to said user selection.

2. (original) The method of claim 1 wherein said ordered set of areas under said line comprises a stacked area graph formed by said ordered set of areas under said line.

3. (original) The method of claim 2 wherein:
the selected operation performed is hiding the selected area; and
further including the step, responsive to said hiding step, of reforming at least one of the remaining displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

4. (original) The method of claim 2 wherein:
the selected operation performed is displaying a selected undisplayed area; and
further including the step, responsive to said step of displaying, of reforming at least one of the other displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

5. (original) The method of claim 2 wherein:
the selected operation performed is reordering the position of the selected area within said ordered set; and
further including the step, responsive to said step of reordering the position of the selected area within said ordered set, of reforming at least one of the other displayed areas so as to represent the resulting change of said reformed area within said reordered set of stacked areas.

6. (original) The method of claim 2 further including the step of:
displaying a plurality of icons each representative of one of said areas whereby the user may select one of said areas by selecting the icon representative of the selected area.

7. (original) The method of claim 2 further including the step of:

displaying a plurality of icons each representative of one of said areas whereby the user may reorder the position of the selected area by reordering the position of the selected icon representative of the selected area.

8. (currently amended) A data processor controlled user interactive display system for graphically displaying the proportion of a total value of a time dependent variable contributed by each of a set of elements comprising:

means for displaying the proportion contributed by each element of the same time dependent variable as an area within an ordered set of areas under a line representative of the total value of said time dependent variable;

means for enabling the user to interactively select one of said set of areas; and

means for performing a selected operation selected from the group consisting of hiding the selected area, displaying the selected area and reordering the position of the selected area within said ordered set responsive to said user selection.

9. (original) The display system of claim 8 wherein said ordered set of areas under said line comprises a stacked area graph formed by said ordered set of areas under said line.

10. (original) The display system of claim 9 wherein:
the selected operation performed is hiding the selected area; and
further including means, responsive to said hiding operation, for reforming at least one of said remaining displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

11. original) The display system of claim 9 wherein:
the selected operation performed is displaying a selected undisplayed area; and
further including means, responsive to said displaying of said undisplayed area, reforming at least one of the other displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

12. (original) The display system of claim 9 wherein:
the selected operation performed is reordering the position of the selected area within said ordered set; and
further including means, responsive to said means for reordering the position of the selected area within said ordered set, for reforming at least one of the other displayed areas so as to represent the resulting change of said reformed area within said reordered set of stacked areas.

13. (original) The display system of claim 9 further including a plurality of icons on said display each representative of one of said areas whereby the user may select one of said areas by selecting the icon representative of the selected area.

14. (original) The display system of claim 9 further including:

a plurality of icons on said display each representative of one of said areas; and

means enabling the user to interactively reorder the position of the selected area by reordering the position of the selected icon representative of the selected area.

15. (currently amended) A computer program having code recorded on a computer readable medium for graphically displaying the proportion of a total value of a time dependent variable contributed by each of a set of elements in a computer controlled user interactive display system comprising:

means for displaying the proportion contributed by each element of the same time dependent variable as an area within an ordered set of areas under a line representative of the total value of said time dependent variable;

means for enabling the user to interactively select one of said set of areas; and

means for performing a selected operation selected from the group consisting of hiding the selected area, displaying the selected area and reordering the position of the selected area within said ordered set responsive to said user selection.

16. (original) The computer program of claim 15 wherein said ordered set of areas under said line comprises a stacked area graph formed by said ordered set of areas under said line.

17. (original) The computer program of claim 16 wherein:
the selected operation performed is hiding the selected area; and
further including means, responsive to said hiding operation, for reforming at least one of said remaining displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

18. (original) The computer program of claim 16 wherein:
the selected operation performed is displaying a selected undisplayed area; and
further including means, responsive to said displaying of said undisplayed area, for reforming at least one of the other displayed areas so as to represent the resulting change of said reformed area within said ordered set of stacked areas.

19. (original) The computer program of claim 16 wherein:
the selected operation performed is reordering the position of the selected area within said ordered set; and
further including means, responsive to said means for reorddring the position of the selected area within said ordered set, for reforming at least one of the other displayed areas so as to represent the resulting change of said reformed area within said reordered set of stacked areas.

20. (original) The computer program of claim 16 further including a plurality of icons on said display each representative of one of said areas whereby the user may select one of said areas by selecting the icon representative of the selected area.

21. (original) The method of claim 2 wherein said selected operation is performed by morphing the displayed stacked area graph through an animated display sequence of stacked graphs.

22. (original) The display system of claim 9 wherein said means for performing said selected operation, perform the operation by morphing the displayed stacked area graph through an animated display sequence of stacked graphs.

23. (original) The computer program of claim 16 wherein said means for performing said selected operation, perform the operation by morphing the displayed stacked area graph through an animated displayed sequence of stacked graphs.